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P O Box 1450 Alexandria, Virgima 22313-1450 www.uspto.gov

### NOTICE OF ALLOWANCE AND FEE(S) DUE

24574 7590 07/14/2008 JEFFER, MANGELS, BUTLER & MARMARO, LLP 1900 AVENUE OF THE STARS, 7TH FLOOR

EXAMINER KALAFUT, STEPHEN J ARTINIT PAPER NUMBER

1705 DATE MAILED: 07/14/2008

LOS ANGELES, CA 90067

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO 10/522 235 08/09/2005 Partho Sarkar 59652-5001 1623 TITLE OF INVENTION: METAL-SUPPORTED TUBULAR FUEL CELL

| APPLN. TYPE    | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO           | \$1440        | \$300               | \$0                  | \$1740           | 10/14/2008 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

| INSTRUCTIONS: This<br>appropriate. All further<br>indicated unless correcte<br>maintenance fee notifical  | form should be used I<br>correspondence includi-<br>ed below or directed off<br>tions   | or traing the nerwise                    | nsmitting the ISSU<br>Patent, advance or<br>e in Block 1, by (a   | TE FEE and PUBLIC<br>ders and notification<br>i) specifying a new o  | of n                             | ON FEE (if requi<br>naintenance fees w<br>pondence address;   | red). I<br>ill be<br>and/o              | Blocks 1 through 5 st<br>mailed to the current<br>(b) indicating a sepa   | tould be completed<br>correspondence addi-<br>rate "FEE ADDRES   | where<br>ress as<br>S" for           |
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| APPLICATION NO.   | FILING DATE   |  |   | FIRST NAMED INVEN  | TOR                              |   | ATTO                                    | RNEY DOCKET NO.   | CONFIRMATION N   | iO.                                  |
| 10/522,235<br>TITLE OF INVENTION  | 08/09/2005<br>METAL-SUPPORTED   | TID                                      | HI AD EITEL CET   | Partho Sarkar  |                                  |   |   | 59652-5001  | 1623   |                                      |
| THEE OF INVENTION   | . METAL-SCITOKILI   | , ich                                    | OLAK POLL CLL   | aL.  |                                  |   |   |   |  |                                      |
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| APPLN, TYPE   | SMALL ENTITY  | IS                                       | SUE FEE DUE   | PUBLICATION FEE D  | Œ                                | PREV. PAID ISSUE  | FEE                                     | TOTAL FEE(S) DUE  | DATE DUE   |                                      |
| nonprovisional  | NO  |  | \$1440  | \$300  |                                  | \$0   |   | \$1740  | 10/14/2008   |                                      |
| EXAM  | INER  |  | ART UNIT  | CLASS-SUBCLASS   |                                  |   |   |   |  |                                      |
| KALAFUT,  | STEPHEN J   |  | I795  | 429-031000   |                                  | '   |   |   |  |                                      |
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|   | ondence address (or Cha<br>3/122) attached.   | nge of                                   | Correspondence  | (I) the names of u<br>or agents OR, alter  | ip to<br>nativ                   | 3 registered patent<br>ely,   | t attori                                |   |  |                                      |
|   | ication (or "Fee Address<br>2 or more recent) attach  |  |   | (2) the name of a s<br>registered attorney<br>2 registered patent<br>listed, no name wil                             | attor                            | meys or agents. If a  | memb<br>es of u<br>no nan               | p to  |  |                                      |
| 3. ASSIGNEE NAME A  | ND RESIDENCE DATA   | TOL                                      | BE PRINTED ON   |  |                                  |   |   |   |  | _                                    |
|   | ess an assignee is ident<br>h in 37 CFR 3.11. Comp  |  |   |  |                                  |   | ee is id                                | lentified below, the de   | cument has been fil  | ed for                               |
| (A) NAME OF ASSIG   | SNEE  |  |   | (B) RESIDENCE: (C  | ITY                              | and STATE OR C  | OUNT                                    | RY)   |  |                                      |
|   |   |  |   |  |                                  |   |   |   |  |                                      |
| Please check the appropri   | iate assignee category or   | catego                                   | ories (will not be pr   | inted on the patent):  |                                  | Individual 🚨 Co   | rporati                                 | on or other private gro   | up entity 🗖 Gover  | nment                                |
| 4a. The following fee(s):   | are submitted:  |  | 41  | Payment of Fee(s): (   |                                  | se first reapply an   | y pre                                   | lously paid issue fee   | hown above)  |                                      |
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| Advance Order -   |   |  |   | The Director is he   | reby                             |   | ge the                                  | required fee(s), any de   | iciency, or credit and<br>extra copy of this fo  | y<br>orm).                           |
| 5. Change in Entity Stat  | tus (from status indicate<br>s SMALL ENTITY state   |  |   | _  | _                                |   |   | FITY status. Sec 37 CI  |  |                                      |
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| Authorized Signature  |   |  |   |  |                                  |   |   |   |  |                                      |
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| APPLICATION NO. | FILING DATE         | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |  |  |  |  |
|-----------------|---------------------|----------------------|---------------------|------------------|--|--|--|--|
| 10/522,235      | 08/09/2005          | Partho Sarkar        | 59652-5001          | 1623             |  |  |  |  |
| 24574           | 7590 07/14/2008     |                      | EXAM                | IINER            |  |  |  |  |
| JEFFER, MAN     | GELS, BUTLER & M    | ARMARO, LLP          | KALAFUT,            | STEPHEN J        |  |  |  |  |
|                 | OF THE STARS, 7TH F | LOOR                 | ART UNIT PAPER NUM  |                  |  |  |  |  |
| LOS ANGELES,    | CA 90067            |                      | 1795                |                  |  |  |  |  |

DATE MAILED: 07/14/2008

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 478 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 478 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Notice of Allowability

| Application No.   | Applicant(s)  |  |
|-------------------|---------------|--|
| 10/522,235        | SARKAR ET AL. |  |
| Examiner          | Art Unit      |  |
| Stenhen I Kalafut | 1795          |  |

| The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS (OF herewith (or previously mailed), a Notice of Allowance (PTOL-85) or NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGH of the Office or upon petition by the applicant. See 37 CFR 1.313 an                         | other appropriate communication will be mailed in due course. THIS<br>TS. This application is subject to withdrawal from issue at the initial                   |
|---|---|
| 1. This communication is responsive to applicant's paper of 23 A  | <u>pril 2008</u> .  |
| <ol> <li>The allowed claim(s) is/are <u>37-49</u>.</li> </ol>   |   |
| Acknowledgment is made of a claim for foreign priority under     a) ☐ All _ b) ☐ Some* c) ☐ None of the:  |   |
| Certified copies of the priority documents have be  |   |
| Centified copies of the priority documents have be     Copies of the partified copies of the priority documents.  | en received in Application No  nents have been received in this national stage application from the   |
| International Bureau (PCT Rule 17.2(a)).  | lents have been received in this national stage application from the  |
| * Certified copies not received:  |   |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" of the noted below. Failure to timely comply will result in ABANDONMEN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  |   |
| <ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submitted<br/>INFORMAL PATENT APPLICATION (PTO-152) which gives re</li> </ol>   |   |
| 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be  (a) ☐ including changes required by the Notice of Draftsperson'  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Ar Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c | s Patent Drawing Review (PTO-948) attached  mendment / Comment or in the Office action of  c)) should be written on the drawings in the front (not the back) of |
| each sheet. Replacement sheet(s) should be labeled as such in the h   |   |
| <ol> <li>         IDEPOSIT OF and/or INFORMATION about the deposit<br/>attached Examiner's comment regarding REQUIREMENT FOR</li> </ol>   |   |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892)   | 5. Notice of Informal Patent Application  |
| Notice of References Cited (FTO-932)     Notice of Draftperson's Patent Drawing Review (PTO-948)  | 6. ☐ Interview Summary (PTO-413),   |
|   | Paper No./Mail Date   |
| <ol> <li>Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date</li> </ol>  | 7. Examiner's Amendment/Comment   |
| <ol> <li>Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol>   | 8. Examiner's Statement of Reasons for Allowance  |
| or biological material  | 9.  Other   |
|   | /Stephen J. Kalafut/<br>Primary Examiner, Art Unit 1795   |

# Index of Claims

| Application/Control | No. |
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|                     |     |

Stephen J. Kalafut

Applicant(s)/Patent under Reexamination

10/522,235 Examiner

SARKAR ET AL. Art Unit

1795

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|       | 26       |          |          |     |     |      | Ш |   |          |          | Į          |  |               |          |          |          |   |          | ш | _         | _         | 4        | _        |               |          |          |    |          |     |          |          |               |   |
| _     | 27       | _        |          | Ш   | ш   |      | Ш | ш | ш        |          | l          | $\vdash$                                   |               | ш        | _        |          | Н |          | Н | _         | 4         | 4        | ⊢        | _             | ┡        | Н        |    | Н        | _   |          |          |               |   |
| -     | 28       | $\vdash$ | -        | Н   | Н   | Н    | Н | Н | Н        | H        | 1          | $\vdash$                                   |               | Н        | _        | Н        | Н | $\vdash$ | Н | $\dashv$  | +         | -        | $\vdash$ | -             |          | Н        | _  | Н        | -   | Н        | -        | $\vdash$      | - |
| _     | 30       | $\vdash$ | Н        | Н   | Н   | Н    | Н | Н | Н        | Н        | 1          | -  | _             | Н        | _        | Н        | Н | $\vdash$ | Н | $\dashv$  | +         | -        | $\vdash$ | -             | $\vdash$ | Н        | _  | Н        | _   | Н        | _        | Н             | Н |
|       | 31       |          |          |     |     |      | П |   | П        | Т        | ĺ          |  |               |          | Т        |          | П |          | П | $\neg$    | $\top$    | _        |          |               |          | П        |    | П        |     |          |          |               |   |
|       | 32       |          |          |     |     |      |   |   |          |          | ]          |  |               |          |          |          |   |          |   |           |           |          |          |               |          |          |    |          |     |          |          |               |   |
| _]    | 33       | Ľ        | Ľ        | Ы   | Ц   | Ц    | Ц | Ц | Ľ        | Ľ        | l          | $\vdash$                                   |               | ╚        | Ľ        | L        | Ц | Ц        | Ц | _[        | 4         | 4        | ╚        |               | L        | П        | _] | Ц        | _   | Ц        | _]       | Ľ             | Ц |
| -     | 34<br>35 | $\vdash$ | $\vdash$ | Н   | Н   | Н    | Н | Н | $\vdash$ | ⊢        | 1          | $\vdash$                                   | -             | $\vdash$ | ⊢        | $\vdash$ | Н | Н        | Н | -         | +         | $\dashv$ | $\vdash$ | -             | $\vdash$ | Н        | -  | Н        | -   | $\vdash$ | _        | -             | Н |
| -     | 36       | $\vdash$ | $\vdash$ | Н   | Н   | Н    | Н | Н | $\vdash$ | $\vdash$ | 1          | $\vdash$                                   | -             | $\vdash$ | -        | Н        | Н | Н        | Н | $\dashv$  | +         | $\dashv$ | $\vdash$ | +             | $\vdash$ | Н        | -  | Н        | -   | $\vdash$ | -        | H             | Н |
| П     | 37       | ,        | =        | Н   | Н   | Н    | Н | H | Н        | $\vdash$ | 1          | $\vdash$                                   | $\vdash$      | $\vdash$ | $\vdash$ | Н        | Н | Н        | Н | -         | +         | $\dashv$ | $\vdash$ | 1             | +        | Н        | _  | Н        | _   | Н        | $\dashv$ | Н             | Н |
| 2     | 38       | 7        | Ē        | Н   | Н   | Н    | Н | Н | Н        | Н        | ı          |  | $\vdash$      | Н        | Н        | Н        | Н | Н        | Н | $\dashv$  | $^{+}$    | 1        | $\vdash$ | -             | $\vdash$ | Н        |    | Н        | _   | Н        | -        | _             | Н |
| 3     | 39       | 7        | Ξ        | П   | П   | П    | П | П | Г        | Г        | ĺ          |  |               | Г        |          | Т        | П | П        | П | $\exists$ | $\top$    | 1        | $\Box$   | 1             | Т        | П        |    | П        |     | П        |          |               | П |
|       | 40       | 7        | Ξ        |     |     |      |   |   |          |          | ]          |  |               |          |          |          |   |          |   |           | $\Box$    | コ        |          |               |          |          |    |          |     |          |          |               |   |
|       | 41       | 1        | Ξ        |     | ш   |      | ш |   | Ľ        |          | Į          |  | _             |          | Ľ        |          |   |          |   |           | 7         | _]       |          |               |          | П        | _  | П        |     |          |          | Е             |   |
| 3     | 42       | 1        | Ξ        | H   | Ш   | Ш    | Ы | Ш | L        | L        |            | $\vdash$                                   | _             | L        | L        | L        | L | Ш        | Ш | _         | 4         | 4        | <u> </u> | -             | -        | Ш        | _  | Ш        | _   |          | _        | _             | Щ |
| 3     | 43       | 1        | =        | H   | -   | H    | Н | - | -        | -        | 1          | $\vdash$                                   | -             | -        | -        | -        | H | Н        | Н | -         | +         | -        | ⊢        | -             | -        | -        | -  | H        | -   | -        | -        | -             | Н |
| ;     | 44       | 1        | =        | Н   | Н   | Н    | Н | Н | $\vdash$ | -        | 1          | $\vdash$                                   | -             | -        | -        | -        | Н | Н        | Н | -         | +         | -        | $\vdash$ | -             | -        | $\vdash$ | -  | $\vdash$ | -   | $\vdash$ | -        | -             | Н |
| 0     | 46       | 1        | =        | Н   | Н   | Н    | Н | Н | Н        | -        | 1          | $\vdash$                                   | _             |          | Н        | Н        | Н | Н        | Н | -         | +         | -        | $\vdash$ | +-            | -        | $\vdash$ | -  | $\vdash$ | -   | $\vdash$ | -        | -             | Н |
| 1     | 47       | 1        | =        | Н   | Н   | Н    | Н | Н | Н        | т        | ĺ          |  |               |          | Н        | Н        | Н | Н        | Н | _         | $^{+}$    | 1        | $\vdash$ |               | $\vdash$ | Н        |    | Н        |     | Н        |          |               | Н |
| 2     | 48       | 1        | =        | П   | П   |      | П |   | Г        |          | ĺ          |  |               |          |          |          | П |          | П |           | $\exists$ | 1        |          |               |          |          |    | П        |     |          |          |               | П |
| 3     | 49       | 1        | =        |     |     |      |   |   |          |          |            |  |               |          |          |          |   |          |   |           |           |          |          |               |          |          |    |          |     |          |          |               |   |
|       | 50       | 1        | ·        | Π   |     |      | П |   | Γ        | Ι_       |            |  | 1             | П        | Г        |          | П |          | П | $\neg$    | Т         | 1        |          |               |          |          |    |          |     |          |          |               |   |